

INFORMATION DISCLOSURE CITATION PTO-1449	Atty. Docket No. 010481A	Serial Number: Filed Concurrently
	Applicant(s): Keishi Nakamura et al 10 1823666	
	Filing Date: April 14, 2004	Group Art Unit: Not Yet Assigned

### U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)	
<u>KE</u>	AA	5,604,477	Rainer et al	2/18/97	338	293	corresponds to reference AF
_____	AB						
_____	AC						
_____	AD						

### FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Translation (Yes or No)	
<u>KE</u>	AE	2000-114009	JP	Yes, abstract	
		NOT PRIOR ART - NOT CONSIDERED			
<u>KE</u>	AF	08-236324	9/13/96	JP	Yes, abstract, corresponds to reference AA
<u>KE</u>	AG	06-224014	8/12/94	JP	Yes, abstract
<u>KE</u>	AH	2-77101	3/16/90	JP	yes

### OTHER DOCUMENTS

_____	AI	
Examiner	Date Considered	

attached - see 892s from parent,  
attached here as an  
extension to 1449  
KE

4/14/2001 1449 ATTACHMENT  
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FORM PTO-892	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	SERIAL NO. <del>09/825446</del>	GROUP ART UNIT 2832	ATTACHMENT TO PAPER NO. 5
NOTICE OF REFERENCES CITED		APPLICANT(S) 101823666 Nakamura et al.		

## U.S. PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	A	4,529,958	7/1985	Person et al.			
	B	4,580,095	4/1986	Vries	324	126	
	C	4,803,345	2/1989	Hoshizaki et al.	219	553	
	D	4,991,059	2/1991	Kiyose	361	773	
	E	5,111,002	5/1992	Hollander			
	F	5,214,407	5/1993	McKim Jr. et al.	338	49	
	G	5,218,334	6/1993	Bartlett	338	61	
	H	5,573,692	11/1996	Das et al.	219	543	
	I	5,999,085	12/1999	Szwarc et al.	338	309	
	J	6,148,502	11/2000	Gerber et al.	29	621	
	K	6,181,234	1/2001	Szwarc et al.	338	53	

## FOREIGN PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS
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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

Karl Easthom

DATE

August 13, 2001

Form892ccs2106b

\* A copy of this reference is not being furnished with this office action.  
(See Manual of Patent Examining Procedure, section 707.05(a).)

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FORM PTO-892	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	SERIAL NO. <del>09/825446</del> 18/823876	GROUP ART UNIT 2832	ATTACHMENT TO PAPER NO. 16
NOTICE OF REFERENCES CITED		APPLICANT(S) Nakamura et al.		

## U.S. PATENT DOCUMENTS

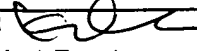
*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	A	6,441,718	8/2002	Smějkal et al.	338	329	
	B						
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	G						
	H						
	I						
	J						
	K						

## FOREIGN PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS
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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER  DATE 3/2/5  
Karl Easthom September 17, 2002 Form892ccs2106b

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(See Manual of Patent Examining Procedure, section 707.05(a).)

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PAGE 1 OF 1

FORM PTO-892		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. <del>091825446</del> 101823666	GROUP ART UNIT 2832	ATTACHMENT TO PAPER NO.	18
NOTICE OF REFERENCES CITED				APPLICANT(S) Nakamura et al.			
U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	A	4,829,553	5/1989	Shindo et al.	338	309	
ker	B	6,005,474	12/1999	Takouchi et al.	338	320	
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FOREIGN PATENT DOCUMENTS							
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EXAMINER Karl Easthom			DATE February 19, 2003		* updated 4/8/03 and FAXed 6 Apr. 03		
Form 892ccs2106b							
* A copy of this reference is not being furnished with this office action. (See Manual of Patent Examining Procedure, section 707.05(a).)							

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FORM PTO-892		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. <del>09/825446</del> 10/823166	GROUP ART UNIT 2832	ATTACHMENT TO PAPER NO.	24
NOTICE OF REFERENCES CITED				APPLICANT(S)  Nakamura et al.			
U.S. PATENT DOCUMENTS							
*		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	A	2,407,251	9/1946	Christensen	338	325	
	B	2,745,931	5/1956	Heibel	338	309	
	C	3,525,065	8/1970	Person	338	254	
	D	3,654,580	4/1972	Laisi	338	61	
	E	3,959,763	5/1976	Sibley et al.	338	20	
	F	4,083,029	4/1978	Lahiri	338	32S	
	G	4,912,974	4/1990	Inada et al.	73	204.25	
	H	5,287,083	2/1994	Person et al.	338	332	
	I	5,929,746	7/1999	Edwards Jr. et al	338	320	
	J	6,194,990	2/2001	Lee et al.	338	320	
	K	6,433,666	8/2002	Inoue et al.	338	22R	
FOREIGN PATENT DOCUMENTS							
*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB- CLASS
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EXAMINER Karl Easthom			DATE June 11, 2003		Form892ccs2106b		
* A copy of this reference is not being furnished with this office action. (See Manual of Patent Examining Procedure, section 707.05(a).)							